



Attorney Docket No. Q01-1074-US1  
Client/Matter No. 85474.0012

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Bruce Lairson et al.

Serial No. 09/829,403

Filed: April 9, 2001

For: TRANSVERSE BIASED SHIELDS FOR  
PERPENDICULAR RECORDING TO REDUCE  
STRAY FIELD SENSITIVITY

Group Art Unit: 2651

Examiner:

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AUG 02 2001

Technology Center 2600

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned hereby certifies that the following documents:

1. Power of Attorney by Assignee;
2. Return postcard; and
3. Certificate of Mailing By First Class Mail

relating to the above application, were deposited as "First Class Mail", with the United States Postal Service, addressed to The Assistant Commissioner for Patents, Washington, D.C., 20231, on 24 July 2001.

24 July 2001

Date

24 July 2001

Date

Mailer

William J. Kubida, Reg. No. 29,664  
HOGAN & HARTSON LLP  
One Tabor Center  
1200 17th Street, Suite 1500  
Denver, Colorado 80202  
(719) 448-5909 Tel  
(303) 899-7333 Fax



**POWER OF ATTORNEY BY  
ASSIGNEE**

Attorney Docket No.	Q01-1074-US1
First Named Inventor	Bruce Lairson et al.
<b>COMPLETE IF KNOWN</b>	
Application Number	09/829,403
Filing Date	April 9, 2001
Group Art Unit	2651
Examiner Name	

TO: Commissioner for Patents  
Washington, D.C. 20231

Power of Attorney by Assignee Submitted with Initial Filing

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POWER OF ATTORNEY BY ASSIGNEE

Under the provisions of 37 C.F.R. § 3.71, the undersigned assignee of record of the entire interest in the above-identified patent/patent application by virtue of an assignment recorded (check as applicable):

Concurrently Herewith  
 Date Recorded \_\_\_\_\_  
 Reel \_\_\_\_\_ Frame \_\_\_\_\_

elects to conduct the prosecution of the application/maintenance of the patent to the exclusion of the inventor(s). The undersigned hereby declares that to the best of his knowledge, title is in the Assignee, and further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true. The assignee hereby revokes any previous powers of attorney and appoints the following to prosecute this application/maintain this patent and transact all business in the Patent and Trademark Office connected therewith:

Prosecuting Attorney List:	and registered attorneys at Customer Number:
David M. Sigmond, Reg. No. 34,013	*25235*  25235

Please direct all communications relative to this application to the following addressee:

WILLIAM J. KUBIDA  
Hogan & Hartson LLP  
One Tabor Center  
1200 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202

**All telephone calls should be directed to William J. Kubida at 719-448-5909.**

ASSIGNEE:

Date: 6/11/01

MAXTOR CORPORATION

By:

Name: Glenn H. Stevens  
Title: General Counsel  
Address: Maxtor Corporation  
2452 Clover Basin Drive  
Longmont, CO 80503



U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

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PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New  
 Resubmission Document ID#   
 Correction of PTO Error Reel #  Frame #   
 Corrective Document Reel #  Frame #

Conveyance Type

Assignment  Security Agreement  
 License  Change of Name  
 Merger  Other   
U.S. Government  
(For Use ONLY by U.S. Government Agencies)  
 Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1)	<input type="text" value="Lairson, Bruce"/>	Execution Date Month Day Year
Name (line 2)	<input type="text"/>	<b>07/19/01</b>
Second Party		
Name (line 1)	<input type="text" value="Nichols, Mark"/>	Execution Date Month Day Year
Name (line 2)	<input type="text"/>	<b>07/19/01</b>
Third Party		
Name (line 1)	<input type="text" value="Nguy, Hai Chi"/>	Execution Date Month Day Year
Name (line 2)	<input type="text"/>	<b>07/13/01</b>
Fourth Party		
Name (line 1)	<input type="text" value="Glassburn, Tim"/>	Execution Date Month Day Year
Name (line 2)	<input type="text"/>	<b>07/19/01</b>

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)	<input type="text" value="Maxtor Corporation"/>	<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)				
Name (line 2)	<input type="text" value="a Delaware corporation"/>					
Address (line 1)	<input type="text" value="2190 Miller Drive"/>					
Address (line 2)	<input type="text" value="Longmont"/>	<input type="text" value="Colorado/USA"/>	<input type="text" value="80501"/>	City	State/Country	Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name	<input type="text"/>
Address (line 1)	<input type="text"/>
Address (line 2)	<input type="text"/>

**RECEIVED**

AUG 02 2001

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## Correspondent Name and Address

Area Code and Telephone Number

(719) 448-5909

Name (line 1) William J. Kubida, Esq.

Address (line 1) Hogan &amp; Hartson LLP

Address (line 2) 1200 17<sup>th</sup> Street, Suite 1500

Address (line 3) Denver, CO 80202

Address (line 4)

Pages Enter the total number of pages of the attached conveyance  
document including any attachments

# 9

## Application Number(s) or Patent Number(s)

 Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

## Patent Application Number(s)

## Patent Number(s)

09/829,403

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

## Patent Cooperation Treaty (PCT)

Enter PCT application number  
only if a U.S. Application  
Number has not been  
assigned

PCT

PCT

PCT

PCT

PCT

PCT

## Number of Properties

Enter the total number of properties involved

#

## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$

40.00

Method of payment:  
Deposit AccountEnclosed  Deposit Account 

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

50-1123

## Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

William J. Kubida, 29,664

Name of Person Signing

Signature

Date

PATENT  
EXPRESS MAIL NO. EL700670852US  
Attorney Docket No. Q01-1074-US1  
Client/Matter No. 85474.0012  
Confirmation No. 8984

## A S S I G N M E N T

WHEREAS, we, Bruce Lairson, having a residence address of 882 Parma Way, Los Altos, CA, Mark Nichols, having a residence address of 3791 Versailles Ct., San Jose, CA, Hai Chi Guy, having a residence address of 4025 Meridian Ave., Milpitas, CA, and Tim Glassburn, having a residence address of 469 Patricia Court, Milpitas, CA 95035, have invented a certain new and useful invention entitled TRANSVERSE BIASED SHIELDS FOR PERPENDICULAR RECORDING TO REDUCE STRAY FIELD SENSITIVITY, for which an application for Letters Patent of the United States has been filed, said application being identified as Attorney Docket No. Q01-1074-US1 and assigned serial no. 09/829,403, confirmation no. 8984 and filed on April 9, 2001;

NOW THEREFORE, be it known that we, the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, MAXTOR CORPORATION, a Delaware Corporation having a place of business at 2190 Miller Drive, Longmont, Colorado, 80501, its successors, legal representatives and assigns, the entire right, title and interest in the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty, and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues, Reexaminations and other patent rights, obtained for the invention in the United States or any other country; we also assign any right, title or interest in and to the invention which has not already been transferred to the assignee; we warrant that we have made no assignment of the invention, application or patent therefor to a party other than MAXTOR CORPORATION and we are under no obligation to make and shall not make any assignment of the invention, application, or patent therefor to any other party; and we further agree to cooperate with the assignee hereunder in the obtaining, sustaining and enforcing of any and all such Letters Patent and patent rights and in confirming the assignee's exclusive ownership of the invention, without further consideration, but at the expense of said assignee.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to MAXTOR CORPORATION, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date: 7/19/01

Bruce Lairson  
Bruce Lairson

STATE OF )  
                  )  
                  ) ss.  
COUNTY OF     )

Before me, a Notary Public in and for said County and State, personally appeared Bruce Lairson, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he or she executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of  
\_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

Date: 7/19/01

Mark Nichols  
Mark Nichols

STATE OF     )  
                  )  
                  ) ss.  
COUNTY OF    )

Before me, a Notary Public in and for said County and State, personally appeared Mark Nichols, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he or she executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of  
\_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

Date: 7/13/2001

Hai Chi Nguy  
Hai Chi Nguy

STATE OF )  
                  )  
COUNTY OF     ) ss.  
                  )

Before me, a Notary Public in and for said County and State, personally appeared Hai Chi Nguy, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he or she executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of  
\_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

Date: 7-19-2001

Tim Glassburn  
Tim Glassburn

STATE OF     )  
                  )  
COUNTY OF    ) ss.  
                  )

Before me, a Notary Public in and for said County and State, personally appeared Tim Glassburn, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he or she executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of  
\_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

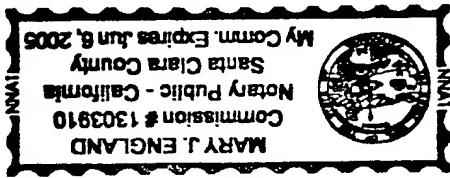
County of Santa Clara

On July 19, 2001 before me,

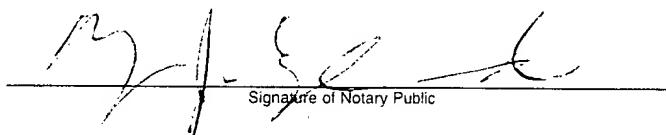
Mary J. England,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Bruce Michael Larson,  
Name(s) of Signer(s)

personally known to me – OR –  proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s); or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.



A handwritten signature of Mary J. England over a horizontal line.

Signature of Notary Public

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

### Description of Attached Document

Title or Type of Document: Assignment

Document Date: July 19, 2001 Number of Pages: one

Signer(s) Other Than Named Above: 3 other people

### Capacity(ies) Claimed by Signer(s)

Signer's Name: Bruce Michael Larson

Individual  
 Corporate Officer  
Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Attorney-in-Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_

Signer Is Representing:

Self

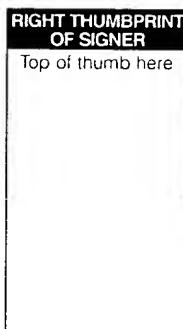


Signer's Name: \_\_\_\_\_

Individual  
 Corporate Officer  
Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Attorney-in-Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_

Signer Is Representing:

\_\_\_\_\_



# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara

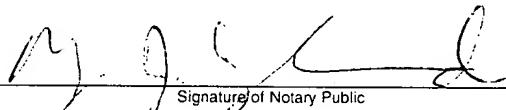
On July 19, 2001 before me,

Mary J. England  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

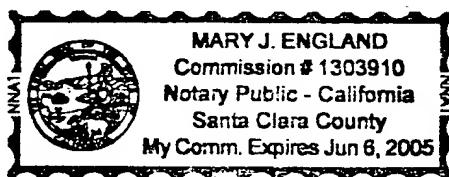
personally appeared Mark August Nichols,  
Name(s) of Signer(s)

personally known to me - OR -  proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Signature of Notary Public



## OPTIONAL

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### Description of Attached Document

Title or Type of Document: Assignment

Document Date: July 19, 2001 Number of Pages: one

Signer(s) Other Than Named Above: 3 other people

### Capacity(ies) Claimed by Signer(s)

Signer's Name: Mark August Nichols

Signer's Name: \_\_\_\_\_

Individual  
 Corporate Officer

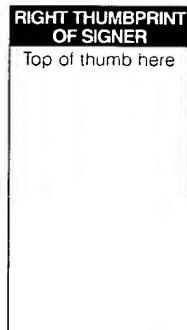
Individual  
 Corporate Officer

Title(s): \_\_\_\_\_

Title(s): \_\_\_\_\_

Partner —  Limited  General  
 Attorney-in-Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_

Partner —  Limited  General  
 Attorney-in-Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_



Signer Is Representing:  
Self

Signer Is Representing:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara

On July 13 2001 before me,

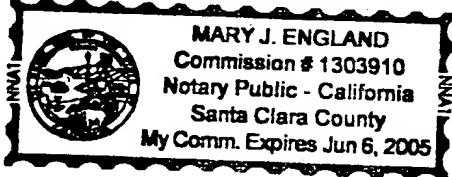
Mary J. England  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Ho Chi Nguyen

(Name(s) of Signer(s))

personally known to me - OR -  proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Mary J. England  
Signature of Notary Public

## OPTIONAL

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### Description of Attached Document

Title or Type of Document: Assignment

Document Date: July 13, 2001 Number of Pages: One

Signer(s) Other Than Named Above: Several (4 people in total - 3 other than Mr. Nguyen.)

### Capacity(ies) Claimed by Signer(s)

Signer's Name: Ho Chi Nguyen

Individual  
 Corporate Officer

Title(s): \_\_\_\_\_

Partner —  Limited  General

Attorney-in-Fact

Trustee

Guardian or Conservator

Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Self

Signer's Name: \_\_\_\_\_

Individual  
 Corporate Officer

Title(s): \_\_\_\_\_

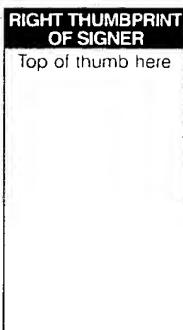
Partner —  Limited  General

Attorney-in-Fact

Trustee

Guardian or Conservator

Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

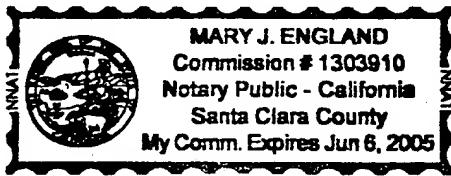
County of Santa Clara

On July 19, 2001 before me, Mary J. England  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Timothy Royce Glassburn  
Name(s) of Signer(s)

personally known to me - OR -  proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



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### Description of Attached Document

Title or Type of Document: Assignment

Document Date: July 19, 2001 Number of Pages: One

Signer(s) Other Than Named Above: 3 other people

### Capacity(ies) Claimed by Signer(s)

Signer's Name: Timothy Royce Glassburn

Signer's Name: \_\_\_\_\_

Individual  
 Corporate Officer

Individual  
 Corporate Officer

Title(s): \_\_\_\_\_

Title(s): \_\_\_\_\_

Partner —  Limited  General

Partner —  Limited  General

Attorney-in-Fact

Attorney-in-Fact

Trustee

Trustee

Guardian or Conservator

Guardian or Conservator

Other: \_\_\_\_\_

Other: \_\_\_\_\_

Signer Is Representing:

Self

RIGHT THUMPRINT  
OF SIGNER

Top of thumb here

RIGHT THUMPRINT  
OF SIGNER

Top of thumb here

Signer Is Representing: